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UNITED STATES DEPARTMENT OF AGRICULTURE
Rural Electrification Administration
Washington 25, D. C.

GENERAL CONSTRUCTION
BULLETIN NUMBER 172

May 3, 1950

PART I
APPROVED CONSTRUCTION CONTRACTS
AWARDED BY REA BORROWERS

Alabama 33E St. Clair: Coosa Valley Electric Cooperative, Talladega, Ala., to Southeastern Electric Construction Co., Andalusia, Ala., \$34,004.86 for the construction of 1.2 miles of line, plus the conversion of 12 miles of line. Engineer (1) last page. PLEASE NOTE: NAMES AND ADDRESSES OF SYSTEM ENGINEERS are furnished on the last page of this bulletin. All numbers shown in () space are keyed to like numbers listed with the names and addresses.

Arkansas 27M Ouachita: Ouachita Rural Electric Cooperative Corp., 227 E. Washington, Camden Ark., to Irby Construction Co., 815 South State St., Jackson, Miss., \$199,765.22 for the construction of 75.706 miles of line to serve 124 members, plus the conversion of 37 miles of line. Engineer (2).

Florida 17T Jackson, two contracts: West Florida Electric Cooperative Association, Inc., Graceville, Fla., 1st contract: to Victory Electric Co., 266 St. Michael St., Mobile 10, Ala., \$190,705.13 for 45 miles of 44 kv transmission line, plus 3 substations. 2nd contract, Section II: to F. J. Seastrunk Electric Co., 1731 Harden St., Columbia, S. C., \$59,810.12 for the construction of 28.6 miles of line to serve 9 members, plus removals and conversion of 30.8 miles of line. Engineer for both (3).

Georgia 66P Taylor, Section II: Flint Electric Membership Corp., Reynolds, Ga., to G. T. Key Co., 1212 Hull St., Montgomery 6, Ala., \$35,089.79 for the construction of 15.8 miles of 44 kv transmission line. Engineer (4).

Iowa 18D Wright: Boone Valley Electric Cooperative, Renwick, Ia., to Evans Construction Co., Early, Ia., \$13,268.34 for the construction of 3.3 miles of line to serve 5 members, plus the conversion of 59 miles of line. Engineer (5).

Iowa 55G O'Brien: O'Brien County Rural Electric Cooperative, Primghar, Ia., to Stewart, Inc., Anamosa, Ia., \$29,443.46 for the construction of 13 miles of 3 phase line. Engineer (6).

Kansas 51A Wichita, Section II: Wheatland Electric Cooperative, Scott City, Kans., to R. E. Mattison and Co., Box 458, Britton, Okla., \$346,626.29 for the construction of 21.3 miles of 69 kv transmission line. Engineer (7).

Kansas 36C Linn: Sugar Valley Electric Cooperative, Inc., Mound City, Kans., to Mid States Contractors, Charlestown Rd., Route 21, New Albany, Ind., \$175,563.64 for the construction of 140.59 miles of line to serve 254 members, plus the conversion of 14.74 miles of line. Engineer (7).

Kansas 42B Lane: The Lane-Scott Electric Cooperative, Inc., Dighton, Kans., to Basanda Construction Co., 2925 N. W. 39th St. Terrace, Oklahoma City, Okla., \$345,124.01 for the construction of 376.71 miles of line to serve 344 members, plus the conversion of 38.7 miles of line. Engineer (8)

Kansas 44H&K Grant, Section I & II: The Pioneer Cooperative Association, Ulysses, Kans., Section I: to B-Line Construction Co., 520 First National Bank Bldg., Oklahoma City, Okla., \$175,465.50 for the construction of 227.05 miles of line to serve 186 members. Section II: to Kincade and Lofton, Brookhaven, Miss., \$207,476.13 for the construction of 257.06 miles of line to serve 176 members. Engineer for both (7).

Kansas 46E&G Meade, Section I & II, two contracts: C. M. S. Electric Cooperative, Meade, Kans., both contracts to Sisco Electric Co., Conroe, Tex., Section I: \$256,281.90 for the construction of 292.65 miles of line to serve 278 members, plus the conversion of 52.5 miles of line. Section II: \$183,816.55 for the construction of 223.1 miles of line to serve 215 members, plus the conversion of 29 miles of line. Engineer for both (7).

Louisiana 26B L.R.E.C.: Louisiana Rural Electric Corp., Alexandria, La., to W. S. Young Construction Co., Inc., 519 Gladstone Blvd., Shreveport, La., \$203,025.93 for the construction of 148.14 miles of line to serve 516 members. This mileage includes 8.5 miles of 33 kv transmission line. Engineer (9).

Maryland 7X2 Caroline: Choptank Electric Cooperative, Inc., Denton, Md., to Rockingham Construction Co., Hardsburg, Va., \$220,082.38 for the construction of 12.2 miles of line, plus the conversion of 146.3 miles of line and the construction of two substations. Engineer (10).

Minnesota 56R&S Crow Wing: Crow Wing Cooperative Power and Light Co., 823 Maple St., Brainerd, Minn., to Franzen Brothers, 4263 Queen Ave. N., Minneapolis 13, Minn., \$248,041.89 for the construction of 265.51 miles of line to serve 350 members. Engineer (11).

Minnesota 92H South Itasca: Dairyland Electric Cooperative, Inc., 320 1st Ave., W., Grand Rapids, Minn., to Hermand and Braatz, Schofield, Wisc., \$136,832.44 for the construction of 100.9 miles of line to serve 145 members. Engineer (12).

Mississippi 21W&P Coahoma, Section I: Coahoma Electric Power Association, Clarksdale, Miss., to Hamilton and Rowell Construction Co., P. O. Box 261, Laurel, Miss., \$72,501.24 for the construction of 32.47 miles of line to serve 145 members, plus rephasing and reconductoring on 24.95 miles of line. Engineer (13).

Mississippi 47A Tippah: Tippah Electric Power Association, Ripley, Miss., to Southern Line Construction Co., 60 Auction Ave., Memphis, Tenn., \$384,582.16 for the construction of 362.7 miles of line to serve 1100 members, plus the conversion of 19.9 miles of line. Engineer (14).

Missouri 33P Butler: Ozark Border Electric Cooperative, Poplar Bluff, Mo., to Irby Construction Co., 817 South State St., Jackson, Miss., \$367,323.17 for the construction of 241.1 miles of line to serve 703 members, plus the conversion of 68.3 miles of line. Engineer (15).

Missouri 46 Taney, two contracts: White River Valley Electric Cooperative, * Inc., N & R, Section II contract: to Franklin Electric Co., 174 W. Jefferson St., Franklin, Ind., \$312,613.16 for the construction of 192 miles of line to serve 345 members, plus the conversion of 14.75 miles of line. S contract: to the Magnolia Construction Co., 530 falls Bldg., Memphis, Tenn., \$321,420.85 for the construction of 236.32 miles of line to serve 434 members, plus the conversion of 19.75 miles of line. Engineer for both (7). *Borrowers address: Hollister, Mo.

Missouri 50T Lafayette: West-Central Electric Cooperative, Inc., Higginsville, Mo., to E and C Contracting Co., Paoli, Ind., \$92,603.75 for the construction of 52.1 miles of line to serve 71 members, plus the conversion of 47 miles of line. Engineer (7).

Missouri 58D, P&G Ste. Genevieve: Citizens Electric Corp., Ste. Genevieve, Mo., to L. O. Brayton & Co., Dyersburg, Tenn., \$233,254.30 for the construction (labor only) of 491.27 miles of line to serve 1295 members. Engineer (16).

Missouri 67C Wright: Se-Ma-No Electric Cooperative, Inc., Mansfield, Mo., to L. O. Brayton and Co., Dyersburg, Tenn., \$273,886.05 for the construction of 206.71 miles of line to serve 520 members, plus the conversion of 17.07 miles of line. Engineer (17).

Montana 32D, B&F Hill: Hill County Electric Cooperative, Inc., Havre, Mont., to O'Neil Construction Co., Havre, Mont., and Lewis Construction Co., Great Falls, Mont., \$393,141.90 for the construction of 449 miles of line to serve 283 members. Engineer (18).

Montana 34A Carter, Section I: Southeast Electric Cooperative, Inc., Eklaka, Mont., to Line Builders, Inc., Box 581, Billings, Mont., \$154,638.00 for the construction of 159 miles of line to serve 427 members. Engineer (19).

Nebraska 44P&R Eastern: Eastern Nebraska Public Power District, Syracuse, Nebr., to Line Constructors, 544 Benson Bldg., Sioux City, Ia., \$75,510.51 for the construction of 5 substations. Engineer (20).

Nebraska 64F York: York County Rural Public Power District, York, Nebr., to Ferguson-Diehl Construction Co., Jefferson, Mo., \$407,388.86 for the construction of 393.23 miles of line to serve 710 members. Engineer (22).

Nebraska 81N&R Cornhusker, Section II: Cornhusker Rural Public Power District, Columbus, Nebr., to B.H.R. & W. Construction Co., 1324 Oklahoma St., Woodward, Okla., \$161,723.63 for the construction of 158.9 miles of line to serve 260 members. Engineer (23).

Nebraska 90 Brown, two contracts: K. B. R. Electric Membership Corp., Ainsworth, Nebr., A contract: to B-Line Construction Co., 520 First National Bank Bldg., Oklahoma City, Okla., \$437,933.15 for the construction of 476.2 miles of line to serve 530 members. B1 Contract: to Crawford Electric Co., 505 N. Jeffers St., N. Platte, Nebr., \$73,007.55 for the construction of 14.71 miles of 34.5 kv transmission line, plus five substations. Engineer for both (23).

New Mexico 12H Otero: Otero County Electric Cooperative, Inc., P. O. Box 88, Cloudercroft, N. Mex., to Thompson, Haight and Keister, 2006 N. Portland Ave., Oklahoma City, Oklahoma, \$49,575.65 for the construction (labor only) of 118.3 miles of line to serve 156 members. Engineer (24).

New Mexico 21B Lincoln: Central New Mexico Electric Cooperative, Corona, New Mex., to Basanda Construction Co., 2925 N. W. 39th Terrace, Oklahoma City 7, Okla., \$115,594.58 for the construction of 49.2 miles of line to serve 28 members, plus 33.3 miles of transmission line. Engineer (25).

North Carolina 21S&T Sampson, Section III: Four County Electric Membership Corp., Burgaw, N. C., to Little Electric Co., Box 669, Hartsville, S. C., \$142,497.04 for the construction of 139 miles of line to serve 277 members, plus the conversion of 13.94 miles of line. Engineer (4).

Ohio 84G Carroll, Section II: Carroll Electric Cooperative, Inc., Carrollton, Ohio to Joe Dalrymple, 300 S. Rogers St., Mt. Vernon, Ohio, \$28,205.36 for the construction (labor and Material) of 3.26 miles of line plus the conversion of 10.61 miles and also for labor only on the erection of substation structure and fence. Engineer (26).

Oklahoma 10T Cleveland: Oklahoma Electric Cooperative, 101 E. Gray St., Norman, Okla., to R. S. Bowie Construction Co., 801 S. W. Third St., Oklahoma City, Okla., \$102,250.52 for the construction of 76.91 miles of line to serve 103 members, plus the conversion of 26 miles of line. Engineer (27).

Oklahoma 12R Alfalfa: Alfalfa Electric Cooperative, Inc., Cherokee, Okla., to Willis and Hinders, Box 204, Olney, Tex., \$185,270.66 for the construction of 207.74 miles of line to serve 241 members.

Oklahoma 14M Love: Red River Valley Rural Electric Association, Marietta, Okla., to Woodrow and Polk Construction Co., 523 N Second St., Purcell, Okla., \$133,762.25 for the construction of 120.68 miles of line to serve 246 members. Engineer (28).

Oklahoma 22AA Cotton: Cotton Electric Cooperative, Walters, Okla., to R. S. Bowie Construction Co., 901 S. W. 23rd St., Oklahoma City, Okla., \$89,456.31 for the construction of 92.53 miles of line to serve 182 members. Engineer (29).

Oklahoma 22X&Y Cotton, Part II: Cotton Electric Cooperative, Inc., Walters, Okla., to Neely Brothers Construction Co., Hollandale, Miss., \$190,274.86 for the construction of 129.3 miles of line to serve 10 members, plus the conversion of 36.5 miles of line. Engineer (30).

Oklahoma 23L Okmulgee: East Central Oklahoma Electric Cooperative, Inc., Okmulgee, Okla., to D. K. & L. Construction Co., 214 Weston St., Jackson, Miss., \$233,761.54 for the construction of 204 miles of line to serve 418 members. Engineer (28).

Oklahoma 25P Rogers: Verdigris Valley Electric Cooperative, Inc., Collinsville, Okla., to Lindsey Construction Co., 115 16th Ave., N. Nashville, Tenn., \$325,192.73 for the construction of 270.76 miles of line to serve 391 members, plus the conversion of 3.5 miles of line. Engineer (28).

Oregon 4H Lincoln, Part II, Section B: Benton-Lincoln Electric Cooperative, Inc., Corvallis, Oreg., to Del Monte Electric Co., 8275 San Leandro St., Oakland, Calif., \$171,429.00 for the construction of 43.90 miles of line to serve 100 members. This construction includes 17.4 miles of 69 kv transmission line.

Oregon 17B&L Douglas: Douglas Electric Cooperative, Inc., Pacific Bldg., Roseburg, Oreg., to Menzel and Kimball, Box 772, Redding, Calif., \$299,210.55 for the construction of 95.4 miles of line to serve 156 members. Engineer (31)

Oregon 21H,K&L Coos: Coos-Curry Electric Cooperative, Inc., Coquille, Oreg., to Del Monte Electric Co., 8275 San Leandro St., Oakland, Calif., \$166,889.50 for the construction of 32.7 miles of transmission line. Engineer (31).

Oregon 34D Weston: Eastern Oregon Electric Cooperative, Inc., Pendleton, Oreg., to Moffatt and Britton, Box 745, Troutdale, Oreg., \$56,623.15 for the construction of 18.5 miles of line to serve 44 members. Engineer (32).

South Carolina 28M Williamsburg: Santee Electric Cooperative, Inc., Kingstree, S. C., to Sumter Builders, Inc., Sumter, S. C., \$165,912.53 for the construction of 167 miles of line to serve 539 members, plus the conversion of 18.72 miles of line. Engineer (33).

Texas 33Bl Bryan Public, Section I: The City of Bryan, Bryan, Tex., to W. J. Thomas and Co., P. O. Box 7006, Dallas, Tex., \$214,729.03 for the construction of 234.4 miles of line to serve 513 members, plus the conversion of 11.3 miles of line. Engineer (9).

Texas 69V Erath, Section I: Erath County Electric Cooperative Assoc., Stephenville, Tex., to Mid-State Construction Co., Box 7324, Dallas 9, Tex., \$319,346.05 for the construction of 202.7 miles of line to serve 320 members. Engineer (9).

Texas 72H Lamar: Lamar County Electric Cooperative Association, Paris, Tex., to R. D. Cooper Construction Co., P. O. Box 1763, Baton Rouge, La., \$35,105.92 for the construction of 4.63 miles of line to serve 4 members, plus the conversion of 23.03 miles of line. Engineer (9).

Texas 85L&M Wise: Wise Electric Cooperative, Inc., Decatur, Tex., to Irby Construction Co., 817 South State St., Jackson, Miss., \$204,340.80 for the construction of 179.5 miles of line to serve 315 members, plus the conversion of 51 miles of line. Engineer (34).

Texas 145D Dallam: Rita Blanca Electric Cooperative, Inc., Dalhart, Tex., to Sisco Electric Co., Conroe, Tex., \$404,788.23 for the construction of 541 miles of line to serve 307 members. Engineer (35).

Virginia 36H Prince George: Prince George Electric Cooperative, Waverly, Va., to Dewey G. Weddle & Co., 1001 National Bank of Commerce Bldg., Norfolk, Va., \$34,267.10 for the construction of 17.1 miles of tie line, the conversion of 16.5 miles of line, and the erection (labor only) of one substation. Engineer (10).

Washington 17E&F Klickitat, Section I & II: Public Utility District No. 1 of Klickitat County, Goldendale, Wash., Section I: to R. C. Hughes and Hughes Electric Co., 1209 1st St., Spokane, Wash., \$106,075.00 for the construction of 62.2 miles of line to serve 98 members. Section II: to Huenergard Electric Co., 225 Henry Bldg., Portland, Oreg., \$301,602.32 for the construction of 174 miles of line with 37 miles underbuild to serve 199 members. Engineer for both (36).

Wyoming 5F&G Big Horn: Big Horn Rural Electric Co., Basin, Wyo., to R. T. Campsey Construction Co., 2520 Leyden St., Denver 7, Colo., \$324,148.32 for the construction of 235.2 miles of line to serve 156 members, plus the conversion of 5.75 miles of line. Engineer (21).

Wyoming 25A&B Crock, Section III: Tri-County Electric Association, Inc., Sundance, Wyo., to J. R. Force, 302 National Bank of Topeka Bldg., Topeka, Kans., \$62,626.20 for the construction (labor only) of 159.4 miles of line to serve 202 members. Engineer (21).

PART II - APPROVED PRELIMINARY PLANS AND SPECIFICATIONS

Indiana 11H Warren: Warren County Rural Electric Membership Corp., Williamsport, Ind., 29.1 miles, 21 members. Engineer (37).

Indiana 52H&M Ripley: Southeastern Indiana Rural Electric Membership Corp., Osgood, Ind., 105 miles, 265 members. Engineer (26).

Kentucky 3M,P&R Jackson: Jackson County Rural Electric Cooperative Corp., McKee, Ky., 176 miles, 652 members.

North Carolina 36R Randolph, (Final Plans and Specs): Randolph Electric Membership Corp., Asheboro, N. C., 115 miles, 23 members. Engineer (10).

South Dakota 40A2 Perkins: Upper Grand River Electric Association, Inc., Bison, S. Dak., 233.5 miles, 198 members. Engineer (38).

Addition to Part I, this bulletin (approved contracts)

Nebraska 49Cd II Howard: Howard Greeley Rural Public Power District, St. Paul, Nebr., to Jacobs and Doyle Construction Co., Edgewood, Ia. \$85,986.70 for the construction (labor only) of 342 miles of line to serve 441 members, plus the construction of one substation. Engineer (21).

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NAMES AND ADDRESSES OF SYSTEM ENGINEERS (Expl. Item 1, page 1.)

1. Patterson and Dewar, 206 Rutland Bldg., Decatur, Ga.
2. Pepper and Mathews, 211 $\frac{1}{2}$ Main St., Yazoo City, Miss.
3. E. P. McLean Engineering Co., Moultrie, Ga.
4. Southern Engineering Co., 1000 Crescent Ave., N. E., Atlanta, Ga.
5. Stanley Engineering Co., Hershey Bldg., Muscatine, Iowa
6. Brown Engineering Co., 6th and Locust, Des Moines, Iowa
7. Frank Horton and Co., Lamar, Mo.
8. John C. Leavitt Co., Garden City, Kans.
9. Preese and Nichols, 407 Danciger Bldg., Fort Worth, Texas
10. B. O. Vannert Engineers, Inc., 700 South College St., Charlotte 2, N. C.
11. Engineering Service Inc., 4335 Adair Ave., Robbinsdale 22, Minn.
12. C. J. Hastad, Halstad, Minn.
13. Bowman and Bowman, P. O. Box 518, Greenwood, Miss.
14. Allen and Hoshall, 65 McCall Place, Memphis, Tenn.
15. Swindell Engineering Co., City Light Bldg., Poplar Bluff, Mo.
16. Dracen and Associates, 8135 Forsythe Blvd., St. Louis 24, Mo.
17. H. B. Gieb and Associates, 1207 Texas Bank Bldg., Dallas 2, Texas
18. J. A. Fussell, Jr., Box 699, Shelby, Mont.
19. Associated Engineers, 206 12th St., Bismarck, N. D.
20. Henningson Engineering Co., 626 Standard Oil Bldg., Omaha, Nebr.
21. H. S. Nixon Engineering Co., 305 W.O.W. Bldg., Omaha 2, Nebr.
22. Carl C. Cox, 315 Barfield Bldg., Amarillo, Texas
23. Raymond H. Reed, 2505 $\frac{1}{2}$ 13th St., Columbus, Nebr.
24. Tynes and Loftin, 512 Heard Bldg., Phoenix, Ariz.
25. Hollis W. Harris, 711 Kentucky Ave., Amarillo, Texas
26. Blue Grass Engineers, Inc., 2700 E. Main St., Columbus, Ohio
27. Lloyd A. Morris, 101 E. Gray St., Norman, Okla.
28. E. R. Taylor and Associates, 4701A E. 11th St., Tulsa 12, Okla.
29. V. L. Jennings, Walters, Okla.
30. C. H. Guernsey and Co., 1414 N. Robinson, Oklahoma City, Okla.
31. Wismer and Becker, 1219 28th St., Sacramento 16, Calif.
32. Robert Welty, Box 282, The Dalles, Oregon
33. McCall-Thomas Engineering Co., Inc., Orangeburg, S. C.
34. J. H. Flood and Co., 707 Amicable Bldg., Waco, Texas
35. H. N. Roberts and Associates, 226 Knox Bldg., Enid, Okla.
36. Howard Zenier and Associates, 1311 Columbia, Vancouver, Wash.
37. Philip L. Burns, 1008 Roosevelt Bldg., Indianapolis 4, Ind.
38. Scott Engineering Co., Inc., 711 9th Ave., S. W., Watertown, S. Dak.

